Mini SC
COOLANT REJUVENATOR

Rustlick™

User's Manual

Installation & Operation Instructions

For questions and/or product support contact Customer Service at 800-452-5823 ext. 2.

ITW ROCOL® North America
3624 West Lake Avenue, Glenview, Illinois 60026
Phone: 800-452-5823/847-657-5278
Fax: 800-952-5823/847-657-4897
info@rocolnorthamerica.com
www.rocolnorthamerica.com

Revised 06/2009

SET-UP

1. PREPARATION

The following items are included with the Mini SC Coolant Rejuvenator: Float Assemby, replacement filter cartridge, and 1 gallon waste pail. If one of these items is missing do not continue with set-up. Contact Customer Service at 800-452-5823 ext. 2 regarding missing/damaged items.

2. AIR SUPPLY

Locate a source of compressed air near where the unit will be installed. Make sure the air hose has the correct fittings to attach to the filter regulator (#1). DO NOT connect the air supply at this time.

3. FILL

Fill the tank (#2) with approximately 5 gallons of fresh cutting fluid so that the fluid level is 2" below the top of the return tube (#10).

4. POSITION

Position the unit near the opening of the sump so there is clear access for the Float Assembly and return hose (#6). Avoid high traffic areas to minimize damage to the unit.

NOTE: Make sure that the waste pail is close by.

5. RETURN HOSE

Arrange the return hose (#6) in the sump away from the area where the Float Assembly will be installed. Use the magnet to secure it in place.

6. FLOAT ASSEMBLY

Put the Float Assembly in a still area of the sump with the petals (#15) facing upward so that the intake tube (#16) in the middle of the float head is visible. Adjust the Float Assembly until it is floating unobstructed and level. Use the magnet (#17) to secure it in place.

NOTE: For sumps with baffling and/or screens it may be necessary to reposition the Float Assembly in different areas of the sump during operation for maximum oil removal.

NOTE: If using a Stabilizer refer to Stabilizer instructions for additional Float Assemby set-up information.

7. INTAKE HOSE

Connect the Float Assembly to the intake hose (#7) with the yellow quick-connect fitting.

8. FILTER REGULATOR

Turn the regulator valve all the way to the left to close the filter regulator (#1). Connect the air supply.

OPERATION

1. INTAKE

Turn the regulator valve to the right to turn the unit on. The diaphragm pump (#3) automatically starts to prime. When the pump is primed use the regulator valve to slowly adjust the rate of fluid intake until a gentle whirlpool forms inside the intake tube (#16).

IMPORTANT: For maximum effectiveness set the filter regulator (#1) to the lowest possible setting that forms a whirlpool since the coalescing media removes more oil at a low intake rate.

NOTE: The intake rate can also be adjusted by moving the float head up or down the intake tube (#16).

2. REMOVE

A layer of oil will form on the top of the fluid level inside the tank. Remove this layer when it is more than 1/2" thick by tilting the discharge tube (#12) until the lower edge of the tube is just above the bottom of the oil layer. Make sure that the waste container is in place, then open the discharge valve (#13).

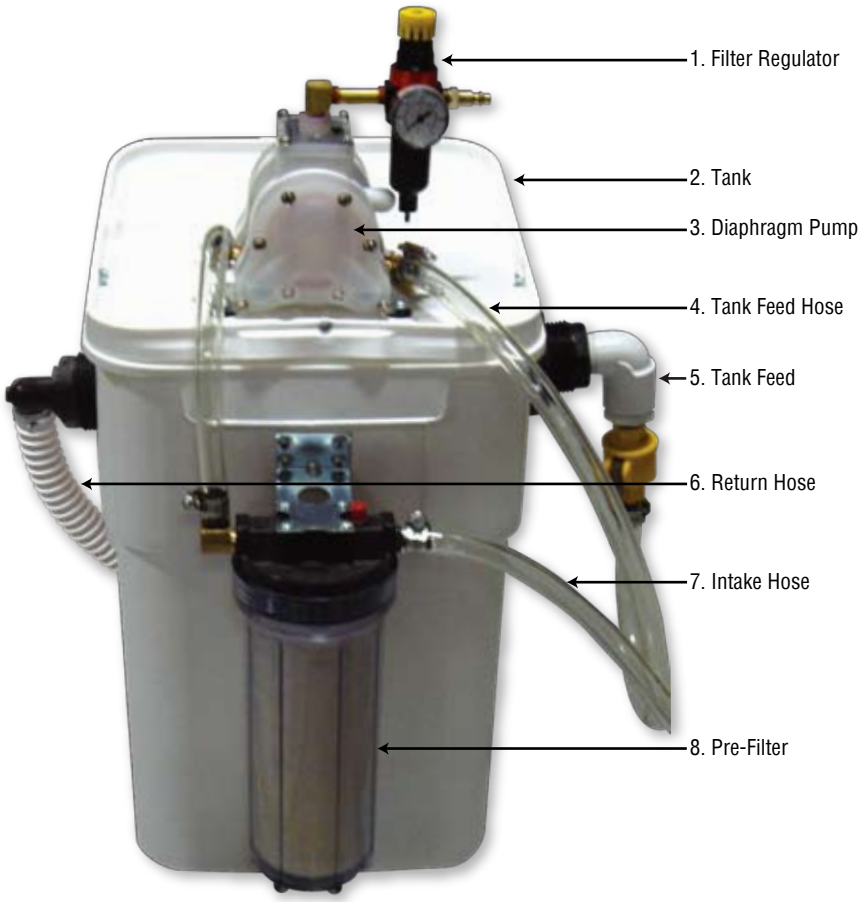
NOTE: Dispose of waste according to local, state, and federal regulations.

WARRANTY

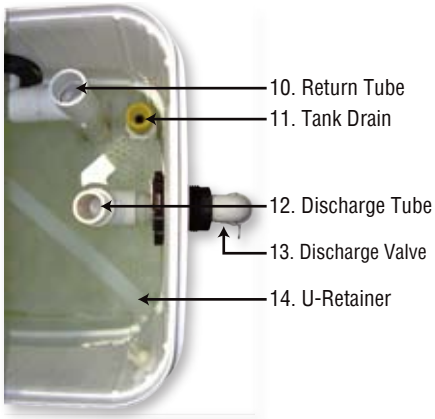
The Mini SC has a One-Year Limited Warranty from the date of purchase against defects in workmanship and materials. Warranty is void if the unit is subject to improper installation/application, misuse, neglect, or accident. For additional information contact Customer Service at 800-452-5823 ext. 2. Returned units will not be accepted with out prior approval.

COMPONENT IDENTIFICATION

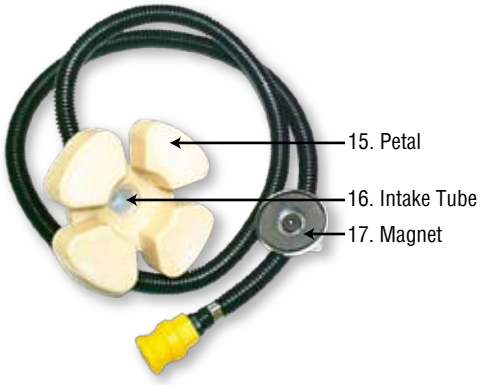
SIDE VIEW



TOP VIEW



FLOAT ASSEMBLY



DRAIN

Drain the unit before transport, storage, and cleaning, or if the unit will be out of use for more than a week.

1. Turn the unit off by turning the regulator valve all the way to the left. Disconnect the air supply.

2. Detach the intake hose (#7) from the Float Assembly and connect it to to the tank drain (#11).

3. Disconnect the tank feed hose (#4) from the tank feed (#5) using the yellow quick-connect fitting.

4. Put the free end of the tank feed hose (#4) securely into a nearby waste container to collect the used fluid. *NOTE:* The unit holds up to 10 gallons so be prepared for this much used fluid to drain out (i.e. a 5 gallon pail will not suffice as a waste container unless there are several).

5. Reconnect the air supply and turn the unit on.

6. When the tank is empty turn the unit off and disconnect the air supply.

7. Reconnect the tank feed hose (#4) to the tank feed (#5).

8. Disconnect the intake hose (#7) from the tank drain (#11).

TO RESUME USE:

a. Refill the tank with cutting fluid according to Step 3 of SET-UP.

b. Reconnect the intake hose (#7) to the Float Assemby (the Assembly may need to be repositioned).

c. Reconnect the air supply and continue with Step 1 of OPERATION.

CLEAN

The Mini SC should be cleaned periodically for optimal performance. It is recommended that the unit is cleaned each time the sump is changed out to prevent contaminating the new cutting fluid.

1. Drain the tank according to Steps 1–7 of DRAIN.
2. Fill the tank with 5 gallons of cleaning solution (1 part Rustlick Kleenzol DY to 10 parts water). *NOTE:* DO NOT use solvent-based cleaners.
3. Reconnect the air supply and turn the unit on; the unit will now self-circulate the cleaning solution. Run in self-circulation cleaning mode for two hours, longer if the unit is especially dirty.
4. Once the cleaning cycle is complete, drain the tank as in Step 1.
5. Fill the tank with 5 gallons of fresh water. Reconnect the air supply and turn the unit on. Circulate the water through for 15 minutes to rinse the unit.
6. Drain the tank according to Steps 1–8 of DRAIN. Remove as much of the rinse water as possible.

TO RESUME USE:

a. Refill the tank with cutting fluid according to Step 3 of SET-UP.

b. Reconnect the intake hose (#7) to the Float Assemby (the Assembly may need to be repositioned).

c. Reconnect the air supply and continue with Step 1 of OPERATION.

TROUBLESHOOT

With proper installation and operation the Mini SC should perform with minimal maintenance. However if a problem does arise the following troubleshooting recommendations should resolve the problem. If further product support is needed contact Customer Service at 800-452-5823 ext. 2.

PROBLEM	DESCRIPTION	SOLUTION
Pump not pumping	No air pressure/fluid circulation	Check Filter Regulator and adjust air pressure
	Intake hose clogged or twisted	Unclog or untwist the hose
	Pump clogged	Remove the top of the pump and clean internally
Tank overflowing	Return hose is not feeding	Reconfigure hose with a downward slope
	Return hose/return tube is obstructed	Remove debris from the hose/tube
	Pump is cycling too fast	Adjust the regulator valve to reduce pump speed
	Excessive foam	Add a defoaming agent and/or reduce pump speed
Float not working	Filter is clogged	Unclog or replace filter cartridge
	Air pressure is too high	Adjust the regulator valve to decrease pressure

The information in this manual is accurate as of the date of issue.
ITW ROCOL North America reserves the right to change any information without notice.

Revised 06/2009

ITW ROCOL® North America

3624 West Lake Avenue, Glenview, Illinois 60026 • Phone: 800-452-5823/847-657-5278 • Fax: 800-952-5823/847-657-4897
E-mail: **info@rocolnorthamerica.com** • URL: **www.rocolnorthamerica.com**